

Mounted Electrical Enclosures

Steel | Powder Coated

V

VENTILATED | SINGLE DOOR | IP55 IK10



The S1 range of ventilated electrical enclosures by IP Enclosures is engineered to reduce internal heat buildup and extend the operational life of electrical equipment. Each enclosure is constructed from high-quality powder-coated galvanised steel in a single-door configuration.



Features & Specifications



IP Enclosures S1 range of steel ventilated electrical enclosures are suitable for general industrial applications.

Protection: IP55 IK10 (When fitted with IP-V2200-UV Fan and IP-V2000-UV Vent)

Standards (& Conformities):

IEC/EN 60529, IEC/EN 62208, IEC/EN 61439, UL, RoHS, CE, UKCA



Material:

- Body: 1.2mm galvanised steel sheet (up to 700x500x250) 1.5mm galvanised steel sheet (800x600x200 and above)
- Gland Plate: 1.5mm galvanised steel sheet
- Door: 1.5mm galvanised steel sheet
- Device Mounting Plate: 1.5mm galvanised steel sheet
- Seal: Polyurethane

Body: The robust monoblock body is fabricated using 1.2mm galvanised steel sheet. Flat face sealing surfaces are provided to increase seal life. Pre-fitted blind nutserts are incorporated to accommodate mounts and accessory fasteners to eliminate drilling and retain IP rating. Integral device plate mounts and M6 earth studs are provided. A galvanised steel gland plate is incorporated into the bottom face. Two cutouts 125mm x 125mm are provided, located diagonally opposite, to house a fan and vent. Cutting, pressing and full continuous seam welding using precision automated manufacturing equipment ensures accuracy and consistent high quality.

Single Door: The robust surface mounted door is fabricated using 1.5mm galvanised steel sheet and incorporates concealed removable hinges with captive pins. The door is designed for a 110° opening. Each door contains cable management rail, an M6 earth stud and a high quality machine-applied foamed in place (FIP) Polyurethane seal. Two internal cable management rails can be removed to provide additional space for equipment, duct and door mounted control components.

Seal: A high quality machine-applied full perimeter UL listed Polyurethane seal foamed in place (FIP) provides excellent sealing over a long life. Temperature resistance -40°C to 80°C (160°C short term loading).

Lock: 5mm double bit insert quarter turn lock with key. A full range of locking options are available upon request.

Device Mounting Plate: The device mounting plate is 1.5mm galvanised steel sheet. It is pressed to provide strength and is pre-fitted into the enclosure as standard.

Gland Plate: Gland plates are incorporated into the bottom face of the enclosure for cable management. They are provided with gaskets and fasteners. The size and quantity vary according to enclosure size.

Surface Treatment: UL approved AkzoNobel epoxy polyester powder-coated with a textured finish. 80 120 micron average thickness. Colour RAL7035.

Certificates:

- IEC 60529 Degrees of protection provided by enclosures: Certificate AB-0386-T 1902.14 02/00
- IEC/EN 62208 Empty Enclosures for low-voltage switchgear and controlgear assemblies: Certificate 0366932-TSE-01/01
- IEC/EN61439-1, 61439-2 Low voltage switchgear and controlgear assemblies: Certificate AB-0341-T, 23-297-R1-N1-1
- CE Certificate of Compliance: Certificate SZT-24MA33485-1
- UKCA Certificate of Compliance: Certificate SZT-25MA38734-1
- UL: Listing Number E534557

IEC/EN 61439 Certified Test Ratings:

- Rated Voltage: 400 V AC
- Rated Insulation Voltage: 690 V
- Rated Impulse Withstand Voltage: 6 kV
- Rated Current: 630A
- Rated Peak Withstand Current: 40kA
- Rated Short-Time Withstand Current: 20kA (Busbar)
- Rated Conditional Short Circuit Current: 20kA
- Rated Frequency: 50Hz



Part Number	Enclosure Size	Cutouts Size	Locks
Standard	H x W x D (mm)	H x W (mm)	Qty
IP-403020-V	400 x 300 x 200	125 x 125	1
IP-404020-V	400 x 400 x 200	125 x 125	1
IP-604030-V	600 x 400 x 300	125 x 125	2
IP-606030-V	600 x 600 x 300	125 x 125	2

Products are manufactured to Quality, Safety and Environmental standards.